

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	8	tsutsumi.in. and \$4speaker and partition	US- PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2008/02/06 17:08
S2	224	(381/335).COLS.	US- PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2006/11/16 18:47
S3	202	(381/351,352).COLS.	US- PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2006/11/16 18:52
S4	977	(381/345).COLS.	US- PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2006/12/08 15:55

S5	357	(381/333,336).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/16 18:39
S6	18	\$2 and (partition same \$4speak\$3)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/16 18:44
S7	25	\$3 and (partition same \$4speak\$3)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/08 15:55
S8	47	\$4 and (partition same \$4speak\$3)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/16 18:41
S9	17	\$5 and (partition same \$4speak\$3)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/16 18:40
S10	6	381/333-352.cols. and (partition wall) same (right near2 angle) same \$4speak\$2	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/08 15:58

S11	15	381/333-352.ccls. and (partition wall) same (right near2 angle)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/08 15:58
S12	358	(381/333,336).COLS.	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/08 16:16
S13	4	("2798122").URPN.	USPAT	OR	OFF	2006/12/08 16:25
S14	6	("2866514").URPN.	USPAT	OR	OFF	2006/12/08 16:30
S15	8	tsutsumi.in. and \$4speaker and partition	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/08 16:38
S16	1	S15 and middle and high and divi\$3 and partition	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/08 16:38
S17	8	tsutsumi.in. and \$4speaker and partition	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/21 11:00

S18	1	S17 and trapezoid and diaphragm and tilt\$2 and angle and "80" and "15"	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/01/26 14:54
S19	8	tsutsumi.in. and \$4speaker and partition	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/01/26 14:55
S20	1	S19 and trapezoid and diaphragm and wood and surfaces and lacquer	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/01/26 14:55
S21	1	tsutsumi.in. and \$4speaker and partition and (low same middle same frequency)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 16:14
S22	1	tsutsumi.in. and \$4speaker and partition and (low same middle same high same frequency)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 16:24
S23	0	"381"/\$.cols. and ((first upper) adj3 (compartment section chamber) adj3 (mid\$3 with high with frequenc\$3)) same ((second lower) adj2 (compartment section chamber) adj2 (mid \$3 with low with frequenc\$3))	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 17:21

S24	1	("2866514").PN.	USPAT	OR	OFF	2008/02/06 16:53
S25	7	("2866514").URPN.	USPAT	OR	OFF	2008/02/06 16:53
S26	3	tsutsumi.in. and \$4speaker and partition and baffle	US- PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2008/02/06 17:09
S27	0	"381"/\$.cols. and (partition wall) with (right adj2 angle) with (center near2 \$4spaeK\$2)	US- PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2008/02/06 17:22
S28	0	"381"/\$.cols. and (partition wall) with (center near2 \$4spaeK \$2)	US- PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2008/02/06 17:22
S29	1015	(381/345).COLS.	US- PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2008/02/06 17:22
S30	608	(381/160,349,350).COLS.	US- PGPUB; USPAT; USOOR; FPRS; EPO; JPO	OR	OFF	2008/02/11 10:30

S32	70	381/333-336,345,160,349-352.ccls. and (partition wall) same \$4speaker same (ports ducts)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/11 10:33
S33	21	381/333-336,345,160,349-352.ccls. and \$4speaker same ((regions chambers sections) with (ports ducts))	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/11 10:41
S34	1227	(181/148,154-156).COLS.	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/20 15:38
S35	10	("5010977").URPN.	USPAT	OR	OFF	2008/02/21 10:35
S36	0	("(partition\$3near2wall)near20\$4speak\$2near20 (rightadjangle)").PN.	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/21 10:42
S37	1	(partition\$3 near2 wall) near20 \$4speak\$2 near20 (right adj angle)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/21 10:42

S38	0	(partition\$3 near2 wall) near20 \$4speak\$2 near20 ("90' adj2 degree\$1)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/21 10:46
S39	2	(partition\$3) near20 \$4speak\$2 near20 (right adj angle)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/21 10:46
S40	10	("5010977").URPN.	USPAT	OR	OFF	2008/02/28 11:34
S41	1017	(381/345).COLS.	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/28 12:31
S42	392	(381/333,336).COLS.	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/28 14:07
S43	1	chatani.in. and speaker and duct	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/28 15:06

S44	2	381/333-336,345,160,349-352.ccls. and \$4speaker near10 mount\$3 near10 center near10 baffle	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/28 15:26
S45	11	"381"/\$.ccls. and \$4speaker near10 mount\$3 near10 center near10 baffle	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/28 15:29
S46	12	"181"/\$.ccls. and \$4speaker near10 mount\$3 near10 center near10 baffle	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/28 15:30
S47	45	"381"/\$.ccls. and \$4speaker near10 center near10 baffle	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/28 15:32
S48	24	381/333-336,345,160,349-352.ccls. and center near3 baffle	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/28 15:53
S49	141	(381/353).CCLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/03/11 17:30

S51	1622	(181/155,156,198,199).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/03/11 17:32
S52	0	181/155,156,198,199,148,154.col.s. and emit\$4 near20 (low adj2 frequency) near20 (high adj frequency) near20 ((mid middle) adj frequency)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/03/13 10:26
S53	13	181/155,156,198,199,148,154.col.s. and (low adj frequency) near20 (high adj frequency) near20 ((mid middle) adj frequency)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/03/13 10:26
S54	30	381/345,346,351-353,160,349,350,333,336.col.s. and (low adj frequency) near20 (high adj frequency) near20 ((mid middle) adj frequency)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/03/13 10:30
S55	2773	(381/333-336,345,346,160,349-353).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/03/13 10:52
S56	1	tsutsumi.in. and \$4speaker and partition and (partition near10 center near10 opening near10 speaker)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/07/18 11:09

S57	1	tsutsumi.in. and \$4speaker and partition and (partition near10 center near10 diaphragm near10 speaker)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/07/18 11:09
S58	1	tsutsumi.in. and \$4speaker and partition and (partition near10 right near10 angle near10 center near10 speaker)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/07/18 11:10
S59	1	tsutsumi.in. and \$4speaker and partition and (center near10 opening near10 \$4speaker)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/19 13:26
S60	0	tsutsumi.in. and \$4speaker and partition and (center near10 diaphragm near10 \$4speaker)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/19 13:26
S61	0	tsutsumi.in. and \$4speaker and partition and (center near10 diaphragm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/19 13:27
S62	1	tsutsumi.in. and \$4speaker and partition and (center near10 diaphragm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/19 13:27

S63	1	tsutsumi.in. and \$4speaker and partition and virtual	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/11/13 09:47
S64	1	tsutsumi.in. and \$4speaker and partition and virtual and point	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/11/13 09:48
S65	1	tsutsumi.in. and \$4speaker and partition and (center near2 point)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/11/13 09:52
S66	949	(381/335,351,352,333,336,359).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/19 18:01
S67	1652	(181/155,156,198,199).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/19 18:02
S68	1247	(181/148,154-156).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/19 18:02

S69	1044	(381/345).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/19 18:02
S70	2269	(381/333,336,335,351,352,345,349,350,160).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/04/21 16:19
S71	1662	(181/155,156,198,199).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/04/21 16:19
S72	8	tsutsumi.in. and \$4speaker and partition	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/04/21 16:19
S73	976	(381/335,351,352,333,336,353).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/07 17:38
S74	1662	(181/155,156,198,199).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/07 17:38

S75	1257	(181/148,154-156).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/07 17:38
S76	2275	(381/333,336,335,351,352,345,349,350,160).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/07 17:38
S77	2327	(381/333,336,335,351,352,345,349,350,160).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/12/10 14:52
S78	2136	(181/148,154-156,198,199).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/12/10 14:52
S79	2327	(381/333,336,335,351,352,345,349,350,160).COLS.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/12/10 16:52
S80	1	S79 and (port opening) near10 bottom near10 (endosure cabinet) near20 area near20 cross-sectional	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/12/10 16:52

S81	1	tsutsumi.in. and \$4speaker and partition and (trapezoid\$2 near10 cross-section\$2 near10 diaphragm)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/12/10 17:21
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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1584	(181/148,154-156,198,199).COLS.	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/13 18:44
L2	0	L1 and (port\$3 opening\$1) near10 bottom near10 (cabinet enclosure) near20 "80" near20 ("%" near20 cross-sectional near20 area	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/13 18:44
L3	1484	(381/333,336,335,351,352,345,349,350,160).COLS.	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/13 18:44
L4	0	L3 and (port\$3 opening\$1) near10 bottom near10 (cabinet enclosure) near20 "80" near20 ("%" near20 cross-sectional near20 area	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/13 18:44
L5	0	L3 and (port\$3 opening\$1) near10 bottom near10 (cabinet enclosure) near20 "80" near20 ("%" percent) near20 cross-sectional near20 area	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/13 18:45
L6	0	L1 and (port\$3 opening\$1) near10 bottom near10 (cabinet enclosure) near20 "80" near20 ("%" percent) near20 cross-sectional near20 area	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/13 18:45

S82	0	"L2" and (port opening) near10 bottom near10 (enclosure cabinet) near20 area near20 cross-sectional	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/10 16:52
S83	1584	(181/148,154-156,198,199).COLS.	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/10 16:52
S84	0	"L5" and (port opening) near10 bottom near10 (enclosure cabinet) near20 area near20 cross-sectional	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/10 16:52
S85	1487	(381/333,336,335,351,352,345,349,350,160).COLS.	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/10 16:53
S86	0	"L7" and (port opening) near10 bottom near10 (enclosure cabinet) near20 area near20 cross-sectional	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/10 16:53
S87	4	"L7" and (port opening) near10 bottom near10 (enclosure cabinet)	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/10 16:53
S88	8	"L5" and (port opening) near10 bottom near10 (enclosure cabinet)	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/10 16:53
S89	9	"L5" and (port\$1 opening\$1) near10 bottom near10 (enclosure cabinet)	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/10 17:13

S90	4	"L7" and (port\$1 opening\$1) near10 bottom near10 (enclosure cabinet)	US- PGPUB; USPAT; UPAD	OR	OFF	2009/12/10 17:13
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